COMMON GEOMETRIC PRACTICES RURAL ARTERIAL ROADS (OTHER THAN FREEWAYS) 4

			TRAFFIC VOLUME										
			UNDER 400 A.D.T.		400-1500 1 A.D.T.			1500-2000 A.D.T.		OVER 2000 A.D.T.			
	DESIGN SPEED 6		40-	40-50 M.P.H.		40-70 M	1.P.H.	P.H. 40-70 M.F		H. 40-70 M.P.H.		.P.H.	
PAVEMENT WIDTH (FEET)	40 MPH 45 MPH			22		22		22					
	50 MPH 55 MPH							04			24		
	60 MPH 65 MPH 70 MPH		-	24		24		24					
MINIMUM GRADED 5 SHOULDER WIDTH (FT)	ALL SPEEDS			4		6		6			8		
MINIMUM CLEAR ROADWAY WIDTH OF NEW AND RECONSTRUCTED BRIDGES	ALL SPEEDS APPROACH ROADWAY WIDTH 1												
MINIMA	DESIGN SPEED			eMAX. 4%			eMAX. 6%			eMAX. 8%			
	30 MPH			300			275			250			
	35 MPH			420			380			350			
	40 MPH			565			510			465			
MINIMUM RADIUS	45 MPH			730			660			600			
(FEET)	50 MPH			930			835			760			
-	55 MPH			1190			1065			965			
	60 MPH			1505			1340			1205			
	65 MPH			_			1660			1485			
	70 MPH			_			2050			1820			
NORMAL PAVEMENT 3 CROSS SLOPES	RATE OF CROSS SLOPE = 2%												
NORMAL SHOULDER CROSS SLOPES			H = 8%				PAVED						
MAXIMUM GRADE (PERCENT)	M.P.H.	30	35	40	45	50	55	60	65	70	75	80	
	LEVEL ROLLING	-		5 6		<u>4</u> 5		3 4					
	MOUNTAIN	-		8 7				6		<u>4</u> 5			
MINIMUM STOPPING 1	(FEET)	200	250	305	360	425	495	570	645	730	820	910	
MINIMUM PASSING SIGHT DISTANCE 2	(FEET)	1090	1280	1470	1625	1835	1985	2135	2285	2480	2580	2680	

- (1) MINIMUM STOPPING SIGHT DISTANCES ARE BASED ON HEIGHT OF EYE OF 3.5 FT AND HEIGHT OF OBJECT OF 2.0FT. BOTH HORIZONTAL AND VERTICAL ALIGNMENTS ARE CONSIDERED.
- (2) MINIMUM PASSING SIGHT DISTANCES ARE BASED ON HEIGHT OF EYE 3.5 FT AND HEIGHT OF OBJECT OF 3.5 FT. BOTH HORIZONTAL AND VERTICAL ALIGNMENTS ARE CONSIDERED.
- (3) NORMAL PAVEMENT CROSS SLOPES ON BRIDGES SHALL BE 2%.
- FOR GUIDANCE ON FREEWAYS, REFER TO AASHTO, "A POLICY ON GEOMETRIC DESIGN OF HIGHWAYS AND STREETS", CURRENT EDITION.
- (5) WIDEN 3 FT FOR GUARDRAIL.
- (a) JUSTIFICATION FOR A DESIGN SPEED LESS THAN THE REGULATORY OR POSTED SPEED MUST BE DOCUMENTED AND AVAILABLE FOR REVIEW IN THE PROJECT FILES.